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PTO/SB/05 (03-01)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. 4718.2US (00-0316.02/US) Frank L. Hall First Inventor METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES Title VIA USE OF A LASER

(Only for ne	ew nonprovisiona	l applications un	der 37 C.F.R. 1	1.53(b))	Express Mail L	Express Mail Label No. EV325770705US					
		LEMENTS		ADDR	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450						
See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450											
1. Eee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 14] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention						7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. Assignment Papers (cover sheet & document(s))					
- : - !	Brief Description of Detailed Descripti Claim(s)	(·· /··· ····· /			10. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) Attorney						
	Abstract of the Di	sciosure			11.	English 7	Transla	tion Docur	nent (if applicable)		
4. D D 5. Oath or 0	rawing(s) (35 U Declaration	-	[Total Sheets Total Pages			Informati Statemer		closure)/PTO-144	Copies of IDS Citations		
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b. 🛚	Copy from a pr	rior application	(37 CFR 1.6	i3 (d))	14. 🛛				MPEP 503)		
_	(for a continua			completed)	15. 🔲	(Should be specifically itemized) 15. Certified Copy of Priority Document(s)					
i	DELETION Signed stateme	nt attached dele	ting inventor(s)		16.	(if foreign priority is claimed)					
	named in the pr 1.63(d)(2) and 1	ior application, s	ee 37 CFR		10.	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35					
6.	lication Data S		CFR 1.76		₁₇	or its equivalent. 17. Other:					
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or in an App	18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation ☑ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09 / 863,676										
• •	olication information		niner <u>S. Heinri</u>				•	Art Unit:			
under Box 5	ib, is considered	a part of the di	sclosure of th	e accompa	nying or divisi	onal applic	ation a	nd is hereb	th or declaration is supplied y incorporated by reference.		
The incorpo	ration <u>can only</u> l	be relied upon v	•				m the su	ubmitted ap	pplication parts.		
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Name (Print/Type) James R. Duzan					Registration No. (Attorney/Agent) 28,393						
Signature Signature					Date March 2, 2004						

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801-531-1922

March 2, 2004

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Name (Print/Type)

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James R. Duzan

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

770.00

TOTAL AMOUNT OF PAYMENT (\$)

;	Complete if Known			
Application Number	Not yet assigned			
Filing Date	March 2, 2004			
First Named Inventor	Frank L. Hall			
Examiner Name	Unknown			
Art Unit	Unknown			
Attorney Docket No.	4718.2US (00-0316.02/US)			

METHOD OF PAYMENT (check all that apply)						FEE CALCULATION (continued)						
☑ Check ☐ Credit card ☐ Money ☐ Other ☐ None							NAL FE					
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Account		20-1469					1051	130	2051	65	Surcharge - late filing fee or oath	
Number 1				1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.				
Account TenckBritt				1053	130	1053	130	Non-English specification				
				1812	2,520	1812	2,520	For filing a request for reexamination				
The Director is authorized to: (check all that apply)							1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
☐ Charge fee(s) indicated below ☒ Credit any overpayments ☒ Charge any additional fee(s) during the pendency of this application ☐ Charge fee(s) indicated below, except for the filing fee							1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
to the above-ide					filing fee		1251	110	2251	55	Extension for reply within first month	
10 1110 05070 101	J			LCULATION			1252	420	2252	210	Extension for reply within second month	
1. BASIC	FIL	ING FEE	:				1253	950	2253	475	Extension for reply within third month	
Large Entity Fee Fee	Sr	nall Entity e Fee		ee Description	•		1254	1,480	2254	740	Extension for reply within fourth month	
Code (\$)	Co		-	ec Beggiiption	Fee Paid		1255	2,010	2255	1,005	Extension for reply within fifth month	
1001 770	200	01 385	ί	Itility filing fee	770		1401	330	2401	165	Notice of Appeal	
1002 340	200	02 170	Ĺ	Design filing fee			1402	330	2402	165	Filing a brief in support of an appeal	
1003 530	200	03 265	F	Plant filing fee			1403	290	2403	145	Request for oral hearing	
1004 770 1005 160	200			Reissue filing fee Provisional filling		_	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1000 100 2000 00 1 TOVISIONAL MINING ICC						1452	110	2452	55	Petition to revive - unavoidable		
		SUBTO	TAL	(1)	(\$) 770]	1453	1,330	2453	665	Petition to revive – unintentional	
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2. EXTRA CI	LAIN	N FEES	-UK				1502	480	2502	240	Design issue fee	
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Total Claims 6 -20 ** = 0 X 18 = 0						1460	130	1460	130	Petitions to the Commissioner		
Independent 3 -3** = 0 X 86 = 0 1807 50 Processing fee under 37 CFR 1.17 (q)) 					
L	· 	-3**	= [86 = 0	4	1806	180	1806	180	Submission of Information Disclosure Stmt	
Multiple Dependent Large Entity Small Entity							8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Fee Fee		Fee Code	Fee (\$)	Fee Descrip	otion		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1202 18		2202	9	Claims in ex	cess of 20		1810	770	2810	385	For each additional invention to be	
1201 86		2201	43	Independent	t claims in excess of 3						examined (37 CFR § 1.129(b))	
1203 290		2203	145	Multiple dep	endent claim, if not pa	aid	1801	770	2801	385	Request for Continued Examination (RCE)	. 1
1204 86		2204	43	** Reissue in original pate	ndependent claims ov ent	er	1802	900	1802	900	Request for expedited examination of a design application	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent							Other fee (specify)					
SUBTOTAL (2) (\$) 0												
**or number or	**or number previously paid, if greater; For Reissues, see above							ed by Ba	asic Filin	y ree Pa	aid SUBTOTAL (3) (\$) 0	
or number providing plant, it greater, it or Nationales, san above												

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